RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/727,643_

Source: _____

Date Processed by STIC: _____

ENTERED

IFWO

RAW SEQUENCE LISTING   DATE: 12/03/2004
PATENT APPLICATION: US/10/727,643   TIME: 07:17:51

Input Set : N:\Crf3\RULE60\10727643.raw.txt
Output Set: N:\CRF4\12032004\J727643.raw

```
 1 <110> APPLICANT: Lee, Fang-Yu
 2        Lee, Ming-Liang
 3        Anderson, Hong C.
 4        Chiu, Schung-Ching
 5 <120> TITLE OF INVENTION: New Strains of Saccharaothrix, Process for Producing
Pravastain Using the
 6        Strains and Isolation Process of (HMG)-COA Reductase
 7 <130> FILE REFERENCE: 004135.P005
 8 <140> CURRENT APPLICATION NUMBER: US/10/727,643
 9 <141> CURRENT FILING DATE: 2003-12-03
10 <150> PRIOR APPLICATION NUMBER: US/10/085,871
11 <151> PRIOR FILING DATE: 2002-02-27
12 <160> NUMBER OF SEQ ID NOS: 12
13 <170> SOFTWARE: PatentIn version 3.1
15 <210> SEQ ID NO: 1
16 <211> LENGTH: 1437
17 <212> TYPE: DNA
18 <213> ORGANISM: Saccharothrix 44442
19 <400> SEQUENCE: 1
20        gacgaacgct ggcggcgtgc ttaacacatg caagtcgagc ggtaaggccc ttcggggtac     60
21        acgagcggcg aacgggtgag taacacgtgg gtaacctgcc ctgtactccg ggataagcct    120
22        gggaaactag gtctaatacc ggatacgacc ccatagggca tcttgtgggg tggaaagttc    180
23        cggcggtatg ggatggaccc gcggcctatc agcttgttgg tggggtgatg gcctaccaag    240
24        gcgacgacgg gtagccggcc tgagagggtg accggccaca ctgggactga gacacggccc    300
25        agactcctac gggaggcagc agtggggaat attgcacaat gggcgaaagc ctgatgcagc    360
26        gacgccgcgt gagggatgac ggccttcggg ttgtaaacct ctttcagcag ggacgaagcg    420
27        caagtgacgg tacctgcaga agaagcaccg gctaactacg tgccagcagc cgcggtaata    480
28        cgtagggtgc gagcgttgtc cggaattatt gggcgtaaag agctcgtagg cggtttgttg    540
29        cgtcggccgt gaaaacttca cgcttaacgt ggagcctgcg gtcgatacgg gcagacttga    600
30        gttcggcagg ggagactgga attcctggtg tagcggtgaa atgcgcagat atcaggagga    660
31        acaccggtgg cgaaggcggg tctctgggcc gatactgacg ctgaggagcg aaagcgtggg    720
32        gagcgaacag gattagatac cctggtagtc cacgccgtaa acggtgggtg ctaggtgtgg    780
33        gggacttcca cgtcctccgt gccgcagcta acgcattaag caccccgcct ggggagtacg    840
34        gccgcaaggc taaaactcaa aggaattgac gggggcccgc acaagcggcg gagcatgtgg    900
35        attaattcga tgcaacgcga agaaccttac ctgggcttga catgcaccgg aaacctgcag    960
36        agatgtaggc ctcttcggac tggtgtacag gtggtgcatg gctgtcgtca gctcgtgtcg   1020
37        tgagatgttg ggttaagtcc cgcaacgagc gcaaccctcg ttccatgttg ccagcgcgtt   1080
38        atggcgggga ctcatgggag actgccgggg tcaactcgga ggaaggtggg gatgacgtca   1140
39        agtcatcatg ccccttatgt ccagggcttc acacatgcta caatggccgg tacagagggc   1200
40        tgctaagccg tgaggtggag cgaatcccaa aaagccggtc tcagttcgga tcggggtctg   1260
41        caactcgacc ccgtgaagtc ggagtcgcta gtaatcgcag atcagcaacg ctgcggtgaa   1320
42        tacgttcccg ggccttgtac acaccgcccg tcacgtcacg aaagtcggta acacccgaag   1380
43        cccgtggccc aacccgcaag ggggggagcg tcgaaggtg ggactggcga ttgggac      1437
45 <210> SEQ ID NO: 2
```

RAW SEQUENCE LISTING
PATENT APPLICATION: **US/10/727,643**

DATE: 12/03/2004
TIME: 07:17:51

Input Set : **N:\Crf3\RULE60\10727643.raw.txt**
Output Set: **N:\CRF4\12032004\J727643.raw**

```
46 <211> LENGTH: 1471
47 <212> TYPE: DNA
48 <213> ORGANISM: Saccharothrix 45494
49 <400> SEQUENCE: 2
50     gacgaacgct ggcggcgtgc ttaacacatg caagtcgagc ggtaaggccc ttcggggtac     60
51     acgagcggcg aacgggtgag taacacgtgg gtaacctgcc ctgtactccg ggataagcct    120
52     gggaaactag gtctaatacc ggatacgacc ccataaggca tcttgtgggg tggaaagttc    180
53     cggcggtatg ggatggaccc gcggcctatc agcttgttgg tggggtgatg gcctaccaag    240
54     gcgacgacgg gtagccggcc tgagagggtg accggccaca ctgggactga gacacggccc    300
55     agactcctac gggaggcagc agtggggaat attgcacaat gggcgaaagc ctgatgcagc    360
56     gacgccgcgt gagggatgac ggccttcggg ttgtaaacct ctttcagcag ggacgaagcg    420
57     caagtgacgg tacctgcaga agaagcaccg gctaactacg tgccagcagc cgcggtaata    480
58     cgtagggtgc gagcgttgtc cggaattatt gggcgtaaag agctcgtagg cggtttgttg    540
59     cgtcggccgt gaaaacttca cgcttaacgt ggagcctgcg gtcgatacgg cagacttga     600
60     gttcggcagg ggagactgga attcctggtg tagcggtgaa atgcgcagat atcaggagga    660
61     acaccggtgg cgaaggcggg tctctgggcc gatactgacg ctgaggagcg aaagcgtggg    720
62     gagcgaacag gattagatac cctggtagtc cacgccgtaa acggtgggtg ctaggtgtgg    780
63     gggacttcca cgtcctccgt gccgcagcta acgcattaag caccccgcct ggggagtacg    840
64     gccgcaaggc taaaactcaa aggaattgac gggggcccgc acaagcggcg gagcatgtgg    900
65     attaattcga tgcaacgcga agaaccttac ctgggcttga catgcaccgg aaacctgcag    960
66     agatgtaggc ctcttcggac tggtgtacag gtggtgcatg gctgtcgtca gctcgtgtcg   1020
67     tgagatgttg ggttaagtcc cgcaacgagc gcaaccctcg ttccatgttg ccagcgcgtt   1080
68     atggcgggga ctcatgggag actgccgggg tcaactcgga ggaggtggg gatgacgtca    1140
69     agtcatcatg ccccttatgt ccagggcttc acacatgcta caatggccgg tacagagggc   1200
70     tgctaagccg tgaggtggag cgaatcccaa aaagccggtc tcagttcgga tcggggtctg   1260
71     caactcgacc ccgtgaagtc ggagtcgcta gtaatcgcag atcagcaacg ctgcggtgaa   1320
72     tacgttcccg ggccttgtac acaccgcccg tcacgtcacg aaagtcggta acacccgaag   1380
73     cccgtggccc aacccgcaag ggggggagcg gtcgaaggtg ggactggcga ttgggacgaa   1440
74     gtcgtaacaa ggtagccgta ccggaaggtg c                                   1471
76 <210> SEQ ID NO: 3
77 <211> LENGTH: 19
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
80 <220> FEATURE:
81 <223> OTHER INFORMATION: Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix
45494
82 <400> SEQUENCE: 3
83     gagtttgatc ctggctcag                                                  19
85 <210> SEQ ID NO: 4
86 <211> LENGTH: 17
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix
45494
91 <400> SEQUENCE: 4
92     cggtgtgtrc aaggccc                                                    17
94 <210> SEQ ID NO: 5
95 <211> LENGTH: 16
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial Sequence
```

RAW SEQUENCE LISTING   DATE: 12/03/2004
PATENT APPLICATION: US/10/727,643   TIME: 07:17:51

        Input Set : **N:\Crf3\RULE60\10727643.raw.txt**
        Output Set: **N:\CRF4\12032004\J727643.raw**

```
 98 <220> FEATURE:
 99 <223> OTHER INFORMATION: Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix
45494
100 <400> SEQUENCE: 5
101       gcaacgagcg caaccc                                                        16
103 <210> SEQ ID NO: 6
104 <211> LENGTH: 20
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix
45494
109 <400> SEQUENCE: 6
110       ccgtcaattc atttgagttt                                                    20
112 <210> SEQ ID NO: 7
113 <211> LENGTH: 17
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix
45494
118 <400> SEQUENCE: 7
119       attagatacc ctggtag                                                       17
121 <210> SEQ ID NO: 8
122 <211> LENGTH: 20
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix
45494
127 <400> SEQUENCE: 8
128       agaaaggagg tgatccagcc                                                    20
130 <210> SEQ ID NO: 9
131 <211> LENGTH: 18
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix
45494
136 <400> SEQUENCE: 9
137       gwattaccgc ggckgctg                                                      18
139 <210> SEQ ID NO: 10
140 <211> LENGTH: 15
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
143 <220> FEATURE:
144 <223> OTHER INFORMATION: Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix
45494
145 <400> SEQUENCE: 10
146       tacgggaggc agcag                                                         15
148 <210> SEQ ID NO: 11
149 <211> LENGTH: 15
150 <212> TYPE: DNA
```

```
151 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
```

```
    153 <223> OTHER INFORMATION: Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix
45494
    154 <400> SEQUENCE: 11
    155      ctgctgcctc ccgta                                                      15
    157 <210> SEQ ID NO: 12
    158 <211> LENGTH: 20
    159 <212> TYPE: DNA
    160 <213> ORGANISM: Artificial Sequence
    161 <220> FEATURE:
    162 <223> OTHER INFORMATION: Primer of 16s rDNA of Saccharothrix 44442 and Saccharothrix
45494
    163 <400> SEQUENCE: 12
    164      agaaaggagg tgatccagcc                                                20
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 12/03/2004
PATENT APPLICATION: US/10/727,643   TIME: 07:17:52

Input Set : **N:\Crf3\RULE60\10727643.raw.txt**
Output Set: **N:\CRF4\12032004\J727643.raw**

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5
Seq#:3; Line(s) 81
Seq#:4; Line(s) 90
Seq#:5; Line(s) 99
Seq#:6; Line(s) 108
Seq#:7; Line(s) 117
Seq#:8; Line(s) 126
Seq#:9; Line(s) 135
Seq#:10; Line(s) 144
Seq#:11; Line(s) 153
Seq#:12; Line(s) 162

VERIFICATION SUMMARY   DATE: 12/03/2004
PATENT APPLICATION: **US/10/727,643**   TIME: 07:17:52

Input Set : **N:\Crf3\RULE60\10727643.raw.txt**
Output Set: **N:\CRF4\12032004\J727643.raw**